

10/584024

SEQUENCE LISTING

IN20 Rec'd PCI/PTO 22 JUN 2006

<110> CropDesign N.V.

<120> Plants having increased yield and method for making the same

<130> 1187-31

<150> PCT/EP2004/053683

<151> 2004-12-22

<150> US 60/532,287

<151> 2003-12-22

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1311

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc\_feature

<223> A variant of the coding sequence of the sequence deposited under accession number NM\_121168 contains a G instead of C on position 851 and a T instead of C on position 1295

<400> 1

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gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag 180

gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaggg aggcaacatc 240

aaggcaaaca gaaaatgtct aaaagagcct aaaaaagcag caaaggaagg tgctaacagt 300

gccatggata ttctggtaga tatgcataca gaaaaatcaa aattagcaga agatttgtcc 360

aagatcagga tggctgaagc ccaagatgtc tctcttcaa actttaaaga tgaagaaatt 420

actgagcaac aagaagatgg atcaggtgtc atggagttac ttcaagttgt agatattgt 480

tccaacgtcg aagatccaca gtgttgagc ttgtatgctg ctgatatata tgacaacata 540

catgttgcag agcttcaaca acgacccttg gctaattata tggagcttgc gcagcgagat 600

atcgacccag acatgagaaa gattctgatt gactggcttg tagaagtttc tgacgactac 660

aagctggttc cagatacgt ttaccttaca gtgaatctta tcgaccggtt tctgtccaaac 720

agttacattg aaaggcaaag actccagctc cttgggtgtct cttgcattgtc tatacgatca 780

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gccccatgga cactcgacca aactgaccat ctttggaaacc ctactctgca acactacacc	1140
agatatgagg tagctgagct gaagaacaca gttctgccca tggaggactt gcagctcaac	1200
accagtggct gtactctcgc tgccacccgt gagaaataca accaacccaaa gtttaagagc	1260
gtggcaaagc tgacatctcc caaacgagtc acatcactat tctcaagatg a	1311

<210> 2  
<211> 436  
<212> PRT  
<213> *Arabidopsis thaliana*

<220>  
<221> MISC\_FEATURE  
<223> A variant of the sequence deposited under accession number  
NP\_568248 contains an arginine instead of a proline on position  
284 and a phenylalanine instead of a serine on position 432

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Ser Thr Ser Asp Val Gln Glu Ser Phe Val Arg Ile Thr Arg Ser Arg  
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Ala Lys Lys Ala Met Gly Arg Gly Val Ser Ile Pro Pro Thr Lys Pro  
35 40 45

Ser Phe Lys Gln Gln Lys Arg Arg Ala Val Leu Lys Asp Val Ser Asn  
50 55 60

Thr Ser Ala Asp Ile Ile Tyr Ser Glu Leu Arg Lys Gly Gly Asn Ile  
65 70 75 80

Lys Ala Asn Arg Lys Cys Leu Lys Glu Pro Lys Lys Ala Ala Lys Glu  
85 90 95

Gly Ala Asn Ser Ala Met Asp Ile Leu Val Asp Met His Thr Glu Lys  
100 105 110

Ser Lys Leu Ala Glu Asp Leu Ser Lys Ile Arg Met Ala Glu Ala Gln  
115 120 125

Asp Val Ser Leu Ser Asn Phe Lys Asp Glu Glu Ile Thr Glu Gln Gln  
130 135 140

Glu Asp Gly Ser Gly Val Met Glu Leu Leu Gln Val Val Asp Ile Asp  
145 150 155 160

Ser Asn Val Glu Asp Pro Gln Cys Cys Ser Leu Tyr Ala Ala Asp Ile  
165 170 175

Tyr Asp Asn Ile His Val Ala Glu Leu Gln Gln Arg Pro Leu Ala Asn  
180 185 190

Tyr Met Glu Leu Val Gln Arg Asp Ile Asp Pro Asp Met Arg Lys Ile  
195 200 205

Leu Ile Asp Trp Leu Val Glu Val Ser Asp Asp Tyr Lys Leu Val Pro  
210 215 220

Asp Thr Leu Tyr Leu Thr Val Asn Leu Ile Asp Arg Phe Leu Ser Asn  
225 230 235 240

Ser Tyr Ile Glu Arg Gln Arg Leu Gln Leu Leu Gly Val Ser Cys Met  
245 250 255

Leu Ile Ala Ser Lys Tyr Glu Glu Leu Ser Ala Pro Gly Val Glu Glu  
260 265 270

Phe Cys Phe Ile Thr Ala Asn Thr Tyr Thr Arg Pro Glu Val Leu Ser  
275 280 285

Met Glu Ile Gln Ile Leu Asn Phe Val His Phe Arg Leu Ser Val Pro  
290 295 300

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser  
305 310 315 320

Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala

325

330

335

Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu  
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Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr  
 355                           360                           365

Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val  
 370                           375                           380

Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn  
 385                           390                           395                           400

Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro  
 405                           410                           415

Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser  
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Leu Phe Ser Arg  
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<212> DNA  
<213> Oryza sativa

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ttattgtaaa gttctacaaa gctaatttaa aagttattgc attaacttat ttcatattac	180
aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattt tgttttatt	240
attgaaatttata tataattcaa agagaataaa tccacatagc cgtaaagtcc tacatgtgg	300
gcattaccaa aatatataata gcttacaaaa catgacaaggc tttagttgaa aaattgcaat	360
ccttattcaca ttgacacata aagtgagtga tgagtctaa tattattttc tttgtcaccc	420
atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag	480
gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt	540
aaaactaaca ctctaaagca accgatggaa aagcatctat aaatagacaa gcacaatgaa	600

aatcctcatc atcttcacc acaattcaa tattatagtt gaagcatagt agta 654

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<212> DNA  
<213> Artificial sequence

<220>  
<223> primer PRM583

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